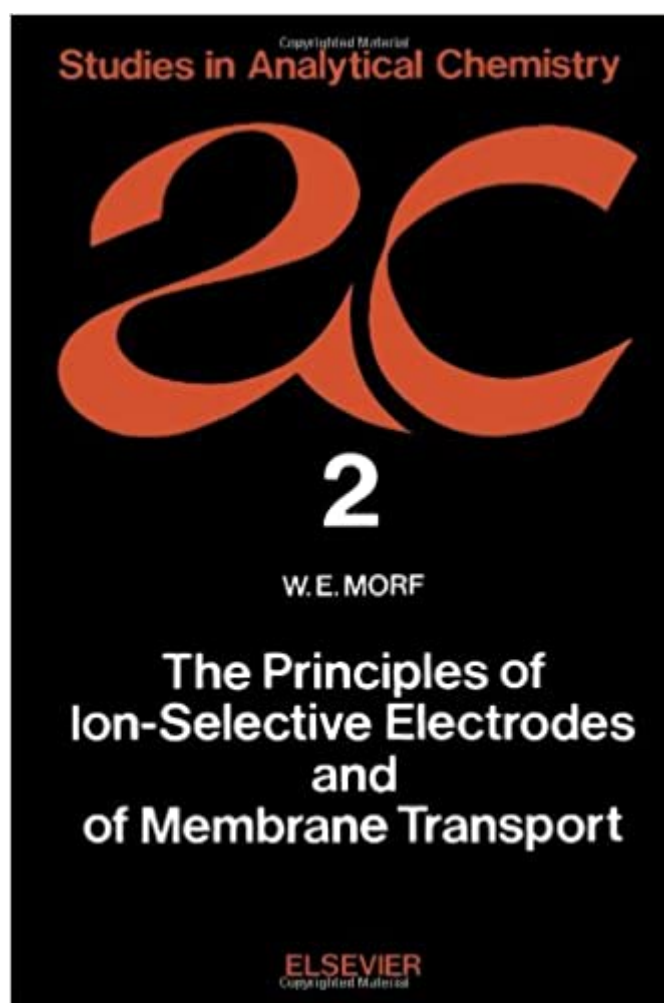


The book was found

# The Principles Of Ion-Selective Electrodes And Of Membrane Transport (Studies In Analytical Chemistry)



## Synopsis

**\*\* Vol #2 \*\*** ISBN # 0444997490 From the back cover: This book is designed to provide a comprehensive survey of the theory and the fundamentals of ion-selective electrodes and of passive membrane transport. The field is treated in depth and self-consistently, the entire discussion being based on a unified membrane model. The present work thus bridges the gap between earlier, more specific approaches. Nevertheless, emphasis is placed on simple derivations and explicit results. Many practical examples are given to illustrate the fundamental relationships. **\*\* Part A** is devoted to a general discussion of membrane phenomena. It includes an exhaustive treatment of diffusion potentials and membrane potentials, as well as detailed analysis of free and carrier mediated ion transport across artificial membranes. For convenience, the key results are summarized in Chapter 9. **\*\* Part B** covers ion-selective electrodes. It treats in great detail the principles of solid-state membrane electrodes, liquid ion-exchange membrane electrodes, neutral carrier membrane electrodes, glass electrodes, gas sensors, and enzyme electrodes....

## Book Information

Series: Studies in Analytical Chemistry

Hardcover: 446 pages

Publisher: Elsevier Science Ltd (November 1981)

Language: English

ISBN-10: 1857882172

ISBN-13: 978-0444997494

ASIN: 0444997490

Package Dimensions: 9.7 x 6.4 x 1.3 inches

Shipping Weight: 2 pounds

Average Customer Review: Be the first to review this item

Best Sellers Rank: #2,531,690 in Books (See Top 100 in Books) #84 in Books > Science & Math > Chemistry > Physical & Theoretical > Electrochemistry #102 in Books > Science & Math > Chemistry > Electrochemistry #6230 in Books > Textbooks > Science & Mathematics > Chemistry

## Customer Reviews

**\*\* Vol #2 \*\*** ISBN # 0444997490 From the back cover: This book is designed to provide a comprehensive survey of the theory and the fundamentals of ion-selective electrodes and of passive membrane transport. The field is treated in depth and self-consistently, the entire discussion

being based on a unified membrane model. The present work thus bridges the gap between earlier, more specific approaches. Nevertheless, emphasis is placed on simple derivations and explicit results. Many practical examples are given to illustrate the fundamental relationships. \*\* Part A is devoted to a general discussion of membrane phenomena. It includes an exhaustive treatment of diffusion potentials and membrane potentials, as well as detailed analysis of free and carrier mediated ion transport across artificial membranes. For convenience, the key results are summarized in Chapter 9. \*\* Part B covers ion-selective electrodes. It treats in great detail the principles of solid-state membrane electrodes, liquid ion-exchange membrane electrodes, neutral carrier membrane electrodes, glass electrodes, gas sensors, and enzyme electrodes....

[Download to continue reading...](#)

The Principles of Ion-Selective Electrodes and of Membrane Transport (Studies in Analytical Chemistry) Membrane Bioreactor Processes: Principles and Applications (Advances in Water and Wastewater Transport and Treatment) The Analytical Chemistry of Cannabis: Quality Assessment, Assurance, and Regulation of Medicinal Marijuana and Cannabinoid Preparations (Emerging Issues in Analytical Chemistry) Manhattan Family Guide to Private Schools and Selective Public Schools, 6th Edition (Manhattan Family Guide to Private Schools & Selective Public Schools) Manhattan Family Guide to Private Schools and Selective Public Schools, 5th Ed. (Manhattan Family Guide to Private Schools & Selective Public Schools) The Highly Selective Dictionary of Golden Adjectives: For the Extraordinarily Literate (Highly Selective Reference) Ion Chromatography (Modern Analytical Chemistry) ASTNA Patient Transport: Principles and Practice, 4e (Air & Surface Patient Transport: Principles and Practice) ASTNA Patient Transport - E-Book: Principles and Practice (Air & Surface Patient Transport: Principles and Practice) Exercise, Sport, and Bioanalytical Chemistry: Principles and Practice (Emerging Issues in Analytical Chemistry) Analytical Chemistry: Principles and Techniques Membrane Permeability: 100 Years Since Ernest Overton, Volume 48 (Current Topics in Membranes) Membrane Transporters as Drug Targets (Pharmaceutical Biotechnology) Extracorporeal Membrane Oxygenation (ECMO), An Issue of Critical Care Clinics, 1e (The Clinics: Internal Medicine) Ace General Chemistry I and II (The EASY Guide to Ace General Chemistry I and II): General Chemistry Study Guide, General Chemistry Review Study Guide: Ace Organic Chemistry I - The EASY Guide to Ace Organic Chemistry I: (Organic Chemistry Study Guide, Organic Chemistry Review, Concepts, Reaction Mechanisms and Summaries) Principles and Applications of Ion Scattering Spectrometry: Surface Chemical and Structural Analysis (Wiley Series on Mass Spectrometry) Freight Forwarding and Multi Modal Transport Contracts (Maritime and Transport Law Library) Advanced Transport Phenomena: Fluid Mechanics and Convective

Transport Processes (Cambridge Series in Chemical Engineering) The Transport System and  
Transport Policy: An Introduction

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)